ABSTRACT OF THE DISCLOSURE

An efficient distributed transaction protocol for a distributed file sharing system is described. One embodiment of the protocol involves a transaction coordinator node sending three messages to participant nodes, where the participant nodes reply to only two of those messages. In one embodiment, the transaction coordinator node may return success to the client application after receiving replies to the second message from the participant nodes. The protocol may provide benefits associated with traditional three-phase commit (3PC) protocols while also decreasing response time latencies experienced by client applications and decreasing network traffic.

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